

Murata Components Library for ANSYS® Designer/Nexxim®

Installation Manual

Murata Library Download



Murata Components Library for ANSYS® Designer/Nexxim® can be downloaded from the following URL:

http://www.murata.co.jp/products/design_support/designer/index.html

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Murata Components Library for ANSYS® Designer/Nexxim®

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ANSYS® Designer/Nexxim® is a electromagnetically charged EDA software.
This library is the equivalent circuit data for use of Designer/Nexxim® only.

Version	5.2
Update	Dec 27, 2013
What's new	» Large number of items is available up to 9,947 types (chip capacitors; EIA/JIS) and 939 types (chip induc
Intended Products	» Capacitors » Inductors (Coils)

Download

Please download this data on the following pages.

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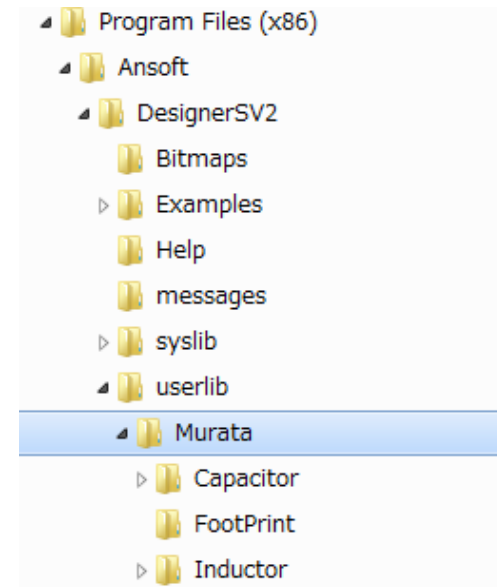
Installing Murata library on Designer®

- Unzip the download file.
- Copy the whole “Murata” folder into <Ansoft Installation Folder>/userlib.

For example, “C:/Program Files/Ansoft/Designer/userlib”

* If “Murata” folder of previous version exist, delete in advance.

This completes the installation of the library.



FootPrint data

- FootPrint data is of two types namely; FootPrint and FootPrint2.

- FootPrint : minimum external terminal width

Example:

<http://psearch.murata.com/capacitor/product/GRM329B11H103JA01%23.html>

- FootPrint2 : land pattern size

Example:

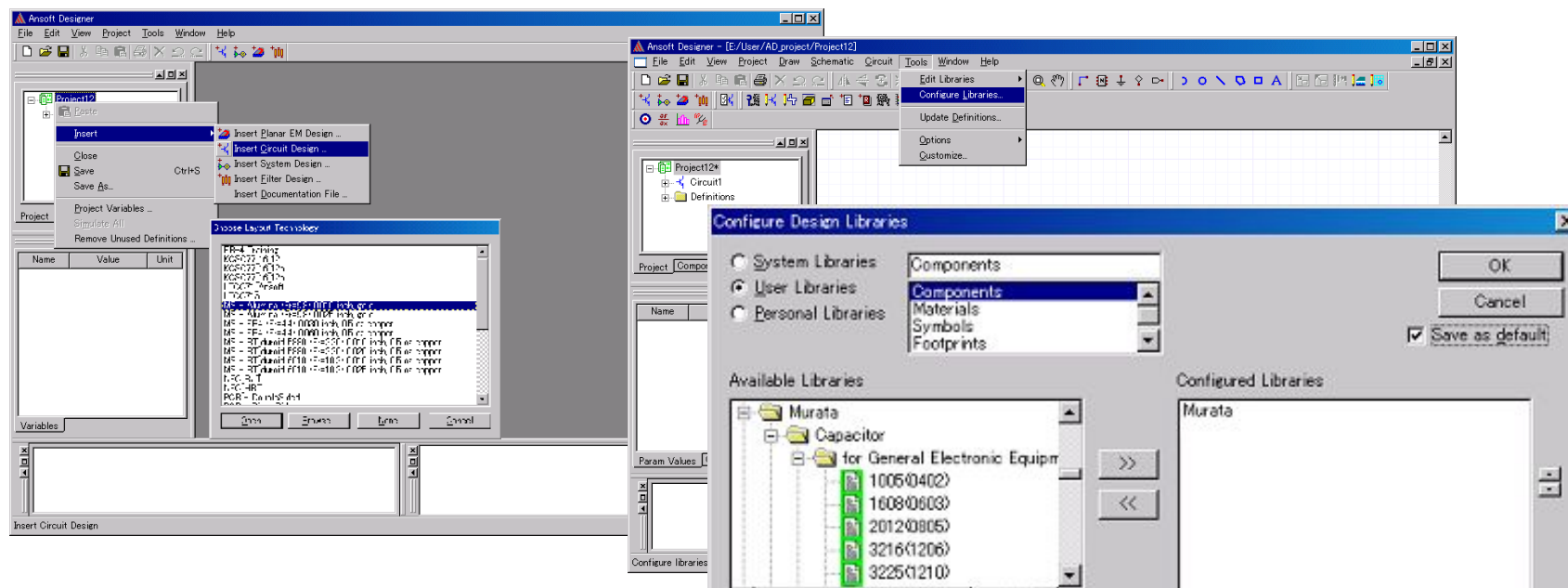
<http://search.murata.co.jp/Ceramy/image/img/A01X/G101/ENG/GRM329B11H103JA01-01.pdf>

(p.26)

Note: Please make a choice between two FootPrint data.

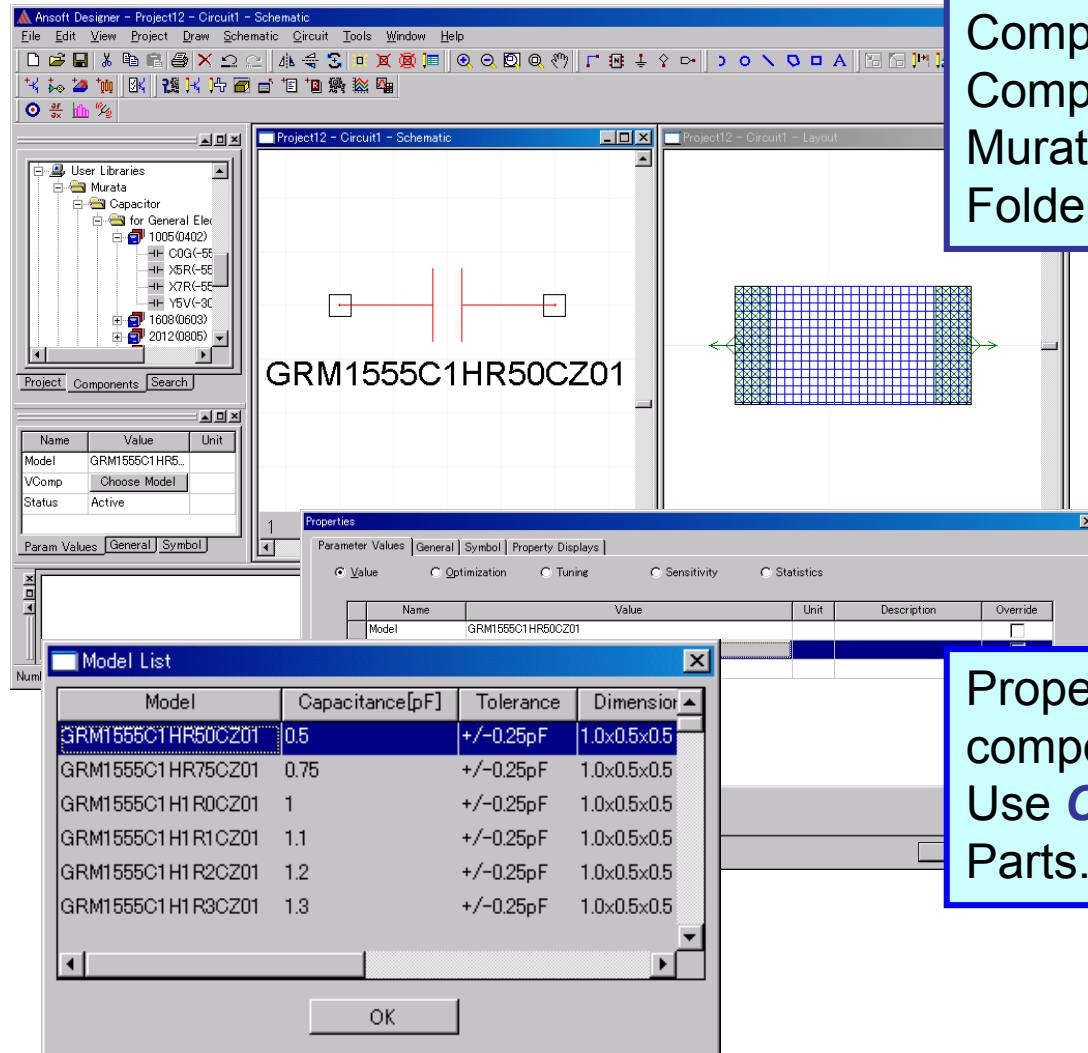
- FootPrint data is written in units of mm.

Using Murata Library in Designer



1. Launch **ANSYS® Designer**
2. In the **Project**, insert circuit editor by using **<Insert Circuit Design...>**
3. **Technology File** (board data) window opens. Select the desired board material.
4. **Schematic Editor** now opens and design environment is now ready to use.
5. From the bar menu, select **Tools>Configure Libraries...**
6. Click on **User Libraries** and select **Components**. Select "**Murata**" Folder and move to **Configure Libraries**.
Repeat the same procedure for the **Footprint** and **Symbols**.
7. **Save as Default** allows user to set the Murata Library as default library and when the new design is inserted, Murata Library shows up automatically.

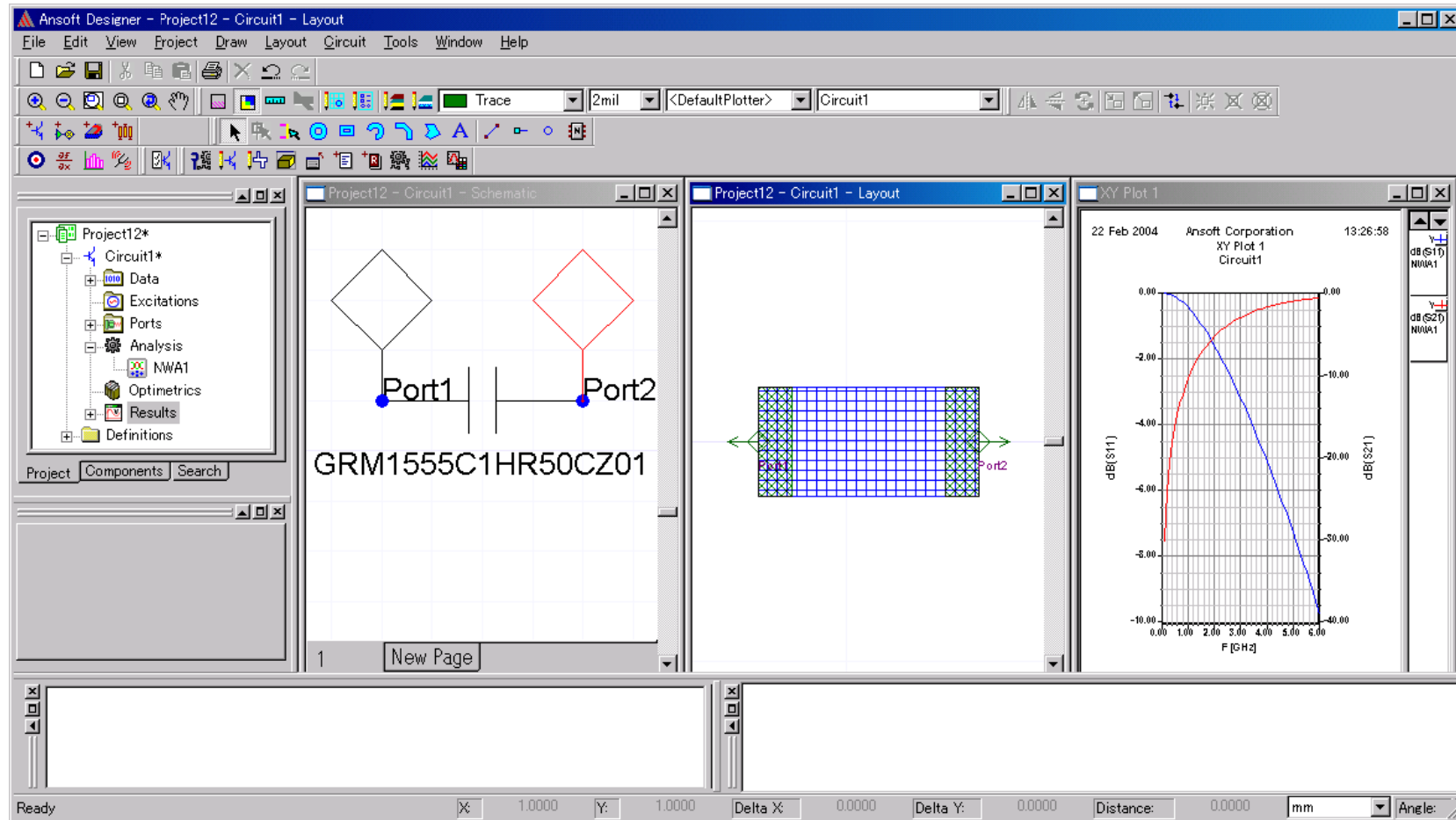
Selecting Components in Designer



Components can be selected in Components Browser. Murata Library is stored in "Murata" Folder.

Property window opens when the component is double clicked. Use **Chose Model** to select desired Parts.

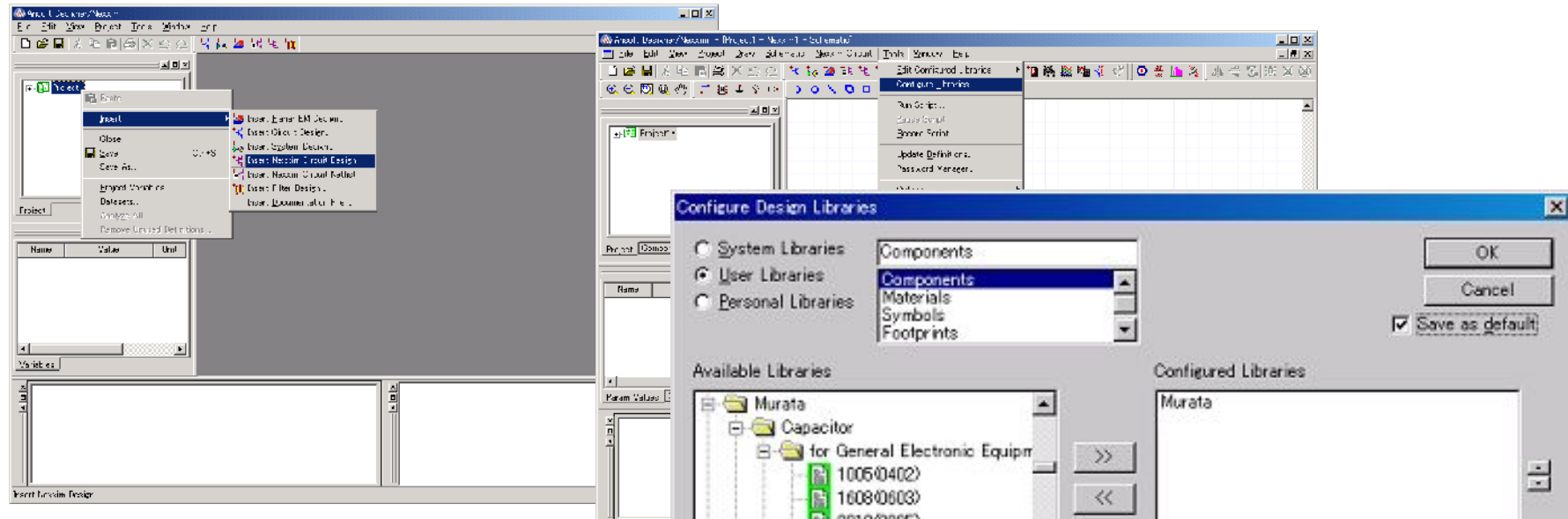
Displaying Simulation Results



By placing the Ports on your circuit or component, user can simulate the circuit and display the results. (Details are described in user manual.)

Using Murata Library in Nexxim®

If you can use Nexxim®, configure the settings as below before you use Murata Library.



1. Launch **ANSYS® Designer**
2. In the **Project**, insert Nexxim® circuit editor by using **<Insert Nexxim® Circuit Design...>**
3. **Technology File** (board data) window opens. Select the desired board material.
4. **Schematic Editor** now opens and design environment is now ready to use.
5. From the bar menu, select **Tools>Configure Libraries...**
6. Click on **User Libraries** and select **Components**. Select "**Murata**" Folder and move to **Configure Libraries**.
Repeat the same procedure for the **Footprint**
7. **Save as Default** allows user to set the Murata Library as default library and when the new design is inserted, Murata Library shows up automatically.

